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To: Examiner Xiuqin Sun Fax: (571) 273-8300  
USPTO

From: William A. Munck, Esq. Time: 5:37 PM

Date: December 18, 2006 Client/Matter: HWEL01-06739

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U.S. Serial No. 10/717,086 filed November 19, 2003

Group: 2863

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PAGE 1/20 \* RCVD AT 12/18/2006 6:47:20 PM [Eastern Standard Time] \* SVR:USPTO-EFXRF-1/13 \* DNIS:2738300 \* CSID:972 628 3619 \* DURATION (mm:ss):07-04

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: : CHARLES Q. ZHAN, ET AL  
Serial No. : 10/717,086  
Filed : November 19, 2003  
For : APPARATUS AND METHOD FOR IDENTIFYING  
DEFECTIVE VALVES  
Group No. : 2863  
Examiner : Xiuqin Sun

MAIL STOP AF  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

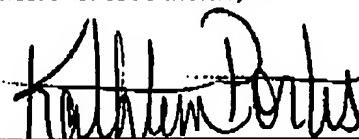
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The undersigned hereby certifies that the following documents:

1) Amendment and Response to Office Action

relating to the above application, were deposited as "First Class Mail", with the United States Postal Service, addressed to MAIL STOP AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on December 18, 2006.

Date: DECEMBER 18, 2006

  
Kathleen Dorris  
Mailer

Date: Dec 18, 2006

  
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PATENT

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U.S. Serial No.: 10/717,086  
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Group No.: 2863  
Examiner: Xiuqin Sun

**MAIL STOP AF**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**AMENDMENT AND RESPONSE TO OFFICE ACTION**

In response to the Office Action dated November 16, 2006, please amend the above-identified patent application as follows.